#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau

Organization
International Bureau



### 

(43) International Publication Date 6 May 2004 (06.05.2004)

**PCT** 

## (10) International Publication Number WO 2004/037663 A3

(51) International Patent Classification<sup>7</sup>: B31B 19/86

B65D 33/10,

(21) International Application Number:

PCT/ZA2003/000157

(22) International Filing Date: 24 October 2003 (24.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02/8595

24 October 2002 (24.10.2002) ZA

(71) Applicant and

(72) Inventor: MANTZIVIS, Lionel, Nicholas [ZA/ZA]; 46 St Christopher Road, St Andrews, Bedfordview, 2007 Johannesburg (ZA).

- (74) Agents: HAHN & HAHN INC. et al.; Dunlop, Alan, Hahn Forum, 222 Richard Street, Hatfield, 0083 Pretoria (ZA).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(57) Abstract: A method of forming a bag is provided. The method includes providing an elongate tubular member (22) having opposed ends, at least one end (24) of which defines an open mouth (26). The method further includes folding opposed portions (28, 30, 32, 34) of the tubular member (22) to extend at least partially across the mouth (26). The method also includes positioning a panel (36) to extend across the opposed portions (28, 30, 32, 34). The method further includes securing the panel 36 and the opposed portions (28, 30, 32, 34) together thereby to close the mouth (26) at the at least one end (24) of the tubular member (22).

#### WO 2004/037663 A3



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 12 August 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.